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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/601,574	06/24/2003	John J. O'Mahony	JHN-3659-67	8253
23117 7590 01/16/2008 NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR			EXAMINER	
			DEAK, LESLIE R	
ARLINGTON,	, VA 22203		ART UNIT	PAPER NUMBER
			3761	
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The time period for reply, if any, is set in the attached communication.

UNITED STATES PATENT AND TRADEMARK OFFICE
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4 BEFORE THE BOARD OF PATENT APPEALS
5 AND INTERFERENCES
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8 Ex parte JOHN J. O'MAHONY, MARK GELFAND,
9 and EDWARD G. RYCHLICK
11
12 Appeal 2007-0696 13 Application 10/601,574
13 Application 10/601,574 14 Technology Center 3700
15 Technology Center 5700
16
17 Decided: January 16, 2008
18 Decided: January 10, 2008
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20Before: TERRY J. OWENS, MURRIEL E. CRAWFORD, and JENNIFER
21D. BAHR, Administrative Patent Judges.
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23CRAWFORD, Administrative Patent Judge.
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26 DECISION ON APPEAL
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28 STATEMENT OF CASE
29 Appellants appeal under 35 U.S.C. § 134 (2002) from a final rejection
30of claims 82-85. Claims 1-36, 40, 44, 58-60 and 73 have been cancelled and
31claims 37-39, 41-43, 45-57, 61-72 and 74-81 have been withdrawn from
32consideration. We have jurisdiction under 35 U.S.C. § 6(b) (2002).
seconsideration. The have jurisdiction under 35 O.B.C. g o(b) (2002).

Appellants invented a method and apparatus for blood withdrawal and 2infusion using a pressure controller (Specification 1).

- Claims 82 and 84 under appeal read as follows:
 - 82. A leak detector for a sterile contiguous fluid line for infusing a patient, the fluid line including a draw line connectable to at least one patient access and a return line connectable to said at least one patient access, said detector comprising:

a portion of the fluid line adapted to be interoperable with a pump actuator such that fluid may be conveyed therethrough;

a filter, or filter connectors to permit connection to a filter, to complete a closed fluid circuit joining said draw and return lines;

said pump actuator having a first configuration in which a positive pressure is generated in said return line and a second configuration in which a negative pressure in said return line, whereby a flow through said return line may be reversed when the pump actuator switches from the first configuration to the second configuration, and

a blood leak sensor coupled to said fluid line.

84. A blood flow direction control device for a sterile contiguous fluid line for infusing a patient, the fluid line including a draw line connectable to at least one patient access and a return line connectable to said at least one patient access, said device comprising:

a portion of the fluid line adapted to be interoperable with a pump actuator such that fluid may be conveyed therethrough; a filter, or filter connectors to permit connection to a filter, to complete a closed fluid circuit joining said draw and return lines;

at least a wetted portion of the portion of the fluid line and the pump actuator having a reverse flow operational mode in which the actuator generates a negative pressure in said fluid line, and a flow through said return line is reversed.

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6Appeal 2007-0696
7Application 10/601,574
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1 The Examiner rejected claims 82-85 under 35 U.S.C. § 2102(b) as being anticipated by Kenley.¹

The prior art relied upon by the Examiner in rejecting the claims on 4appeal is:

5 Kenley US 5,690,831 Nov. 25, 1997

Appellants contend that Kenley does not disclose a return line 8connectable to at least one patient access.

10 ISSUE

Whether the Examiner erred in finding that Kenley discloses a return 12line, connectable to at least one patient access, and in which a negative 13pressure is generated by a pump actuator. This issue turns on whether 14Kenley's line 450 is a return line which is "connectable" to at least one 15patient access.

17 FINDINGS OF FACT

18 Kenley discloses and depicts in Figure 13, a blood flow direction 19 control device having a blood pump 458 which pumps blood drawn from a 20 patient to a dialyzer 404 then back to the patient. The device includes a 21 draw line 432 connectable to at least one patient access. After being 22 withdrawn from the patient, the blood flows through the dialyzer 404. After 23 leaving the dialyzer 404, the "blood is returned to the patient via line 470" 24 (Kenley, col. 26, l. 35). Before reaching the patient, the blood is sent 25 through an air-separating and pressure monitoring chamber 472 (Kenley,

^{10.} The Examiner has withdrawn the rejection of claims 82-85 under 35 11U.S.C. § 103 (Answer, 3).

13Appeal 2007-0696 14Application 10/601,574 15

1col. 26, II. 36-38). The level of the blood in the pressure monitoring 2chamber 472 can be changed by operating the blood pump 458 in reverse 3(Kenley, col. 26, II. 57-58; col. 50, II. 7-10). This operation of the blood 4pump in the reverse direction generates a negative pressure in return line 5450. The return line 470 is connected through pressure monitoring chamber 6472 to the patient access. Return line 470 is capable of being connected 7directly to the patient access.

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9 ANALYSIS

10 We will sustain the Examiner's rejection because line 470 is a return 11line connectable to a patient access as broadly recited in independent claims 1282 and 84. We are not persuaded by Appellants' argument that line 470 is 13not a return line because it does not directly connect to a patient access. 14Firstly, the blood in line 470 is returning from the dialyzer 404 to the patient 15and thus is a return line as broadly claimed. We note that Kenley discloses 16that blood is returned to the patient via line 470 (Kenley, col. 26, l. 35). In 17addition, although line 470 does not directly connect to a patient access, it is 18nonetheless connected to the patient access through chamber 471 and line 19492. We note that claims 82 and 84 do not recite that the return line is 20 directly connected to the patient access. Line 470 returns blood to a patient 21 and is connected, although not directly, to a patient access. In addition, as 22claims 82 and 83 recite that the return line is *connectable* to a patient access, 23the claims do not even require that the return line is connected to the patient 24access only that the return line is capable of being connected to the patient 25access. Line 470 of Kenley is certainly capable of being connected to a 26patient access. We are also not persuaded by Appellants' argument that

18Appeal 2007-0696 19Application 10/601,574 20 21

1 reversing the blood pump 458 does not create a negative pressure in the 2 return line 470 and reverse blood flow in the line (App. Br. 11). In order to 3 reduce the level of blood in chamber 474 by reversing the blood pump 458, 4as disclosed by Kenley, blood must be drawn from chamber 474 through 5 return line 470 by creation of a negative pressure.

In view of the foregoing, we will sustain the Examiner's rejection of 7claims 82 and 84. We will also sustain the rejection as it is directed to 8claims 83 and 85 because the Appellants have not argued the separate 9patentability of these claims.

10 The decision of the Examiner is affirmed.

No time period for taking any subsequent action in connection with 12this appeal may be extended under 37 C.F.R. § 1.136(a)(1)(iv) (2007).

13 AFFIRMED

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